

1. ROHM contact image sensor heads

A contact image sensor head takes the light from a light source, directs it at the original that is being scanned, passes the light reflected from the original through a light gathering lens, and then aims it at the sensor (light collection section). The letters and images of the original are then recorded according to the intensity of the light that strikes the sensor. A contact image sensor head is much more compact than a CCD unit and therefore allows for much smaller products. Moreover, while a CCD unit requires focusing, a contact image sensor head requires no focusing for one-touch setup.

ROHM has put together its system LSI semiconductor technologies, its thermal head high-density and high-reliability mounting technologies, and its original optical-design technologies, and produced the industry's highest level compact, high-performance contact image sensor head (CIS).

Now ROHM is putting forth a product lineup that supports a wide range of applications such as facsimiles, multi-function products, sheet-feed scanners, flatbed scanners, and photocopiers. In addition, to further meet the needs of its customers, ROHM is accepting orders for the design and manufacture of custom products.

Please try ROHM contact image sensor heads for your applications.

●Features

(1) Product lineup includes contact image sensor heads of both LED array and CCFL light source types.

The wide variation of products in the ROHM lineup includes LED types, CCFL types, sheet-feed types, and flatbed types, all from 4 to 10 inches. This vast selection allows you to pick just the product for your application.

(2) For ROHM contact image sensor heads, the most important component, the sensor IC, is developed and manufactured by ROHM. ROHM has put together its LSI circuit technology and thermal printhead mounting technology to make a contact image sensor head using all facets of its know-how as a semiconductor manufacturer.

(3) High-functionality manufacturing systems developed by ROHM.

ROHM has developed a production system perfect for the production of contact image sensor heads. The result is the stable mass production of large amounts of products at a level unmatched by other companies.

(4) By using processing techniques used for ROHM thermal printheads (which boast top performance records in both production and delivery in the industry), a superior quality and reliability is attained.

ROHM promises a research and development system based on many years of thermal printhead manufacturing and its own LSI circuit technologies, and a product quality assurance and reliability guarantee that has been established over time.

Notes

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- Products listed in this document use silicon as a basic material.
Products listed in this document are no antiradiation design.

The products listed in this document are designed to be used with ordinary electronic equipment or devices (such as audio visual equipment, office-automation equipment, communications devices, electrical appliances and electronic toys).

Should you intend to use these products with equipment or devices which require an extremely high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), please be sure to consult with our sales representative in advance.

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Products described herein are the objects of controlled goods in Annex 1 (Item 16) of Export Trade Control Order in Japan.

In case of export from Japan, please confirm if it applies to "objective" criteria or an "informed" (by MITI clause) on the basis of "catch all controls for Non-Proliferation of Weapons of Mass Destruction.